

WEST Search History

DATE: Monday, December 30, 2002

Set Name Query
side by side

Hit Count Set Name
result set

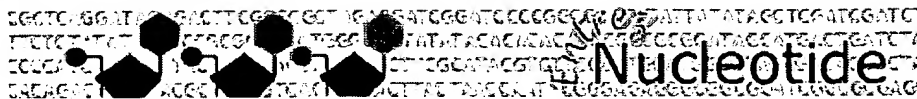
*DB=USPT,PGPB,JPAB,EPAB,DWPI; THES=ASSIGNEE; PLUR=YES;
OP=ADJ*

L14	L13 same (F2 adj BETA)	1	L14
L13	F adj BOX	488	L13
L12	L11 and l10 and l9	1	L12
L11	WINSTON-JEFFREY-\$.in.	23	L11
L10	ELLEDGE-STEPHEN-\$.in.	9	L10
L9	HARPER-JEFFREY-\$.in.	17	L9

DB=USPT; THES=ASSIGNEE; PLUR=YES; OP=ADJ

L8	L7	1	L8
L7	6046015.pn.	1	L7
L6	604615.pn.	0	L6
L5	L3 same expression	12	L5
L4	L3 same interven\$	0	L4
L3	L2 same advantag\$	116	L3
L2	flanking region\$ same (nucleic acid or polynucleotide or sequence)	2931	L2
L1	5' and 3' flanking regions	1	L1

END OF SEARCH HISTORY



PubMed

Nucleotide

Protein

Genome

Structure

PMC

Taxonomy

OMIM

Bool

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Limits

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default

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☐ 1: H58848.yr36e07.r1 Soares...[gi:1011680]

Links

IDENTIFIERS

dbEST Id: 360267
EST name: yr36e07.r1
GenBank Acc: H58848
GenBank gi: 1011680
GDB Id: 3776527

CLONE INFO

Clone Id: IMAGE:207396 (5')
Insert length: 1404
DNA type: cDNA

PRIMERS

Sequencing: M13RP1
PolyA Tail: Unknown

SEQUENCE

TGATATAGAAGATGATGCCTATGCAGAAAAGGATGGTTGTGGAATGGACAGTCTTAACAA
AAAGTTTAGCAGTGCTGTCTCGNGGAAGGGCCAAATAATGGGTATTTTGATAAACTACC
TTATGAGCTTATTCAGCTGATTCTGAATCATCTTACACTACCAGACCTGTGTAGATTAGC
ACAGACTTGCAAACTACTGAGCCAGCATTGCTGTGATCCTCTGCAATACATCCACCTCAA
TCTGCAACCATACTGGGCAAACTAGATGACACTTCTCTGGAATTTCTACAGTCTCGCTG
CACTCTGTCCAGTGGCTTAATTTATCTTGGACTGGGCAATAGAGGCTTCATCTCTGTTG
CAGGATTTAGCAGGTTTCTGGAAGGTTTGTGGGTTCCGAATTTAGTACGNCTTGGAAT

Quality: High quality sequence stops at base: 323

Entry Created: Oct 6 1995
Last Updated: Oct 6 1995

COMMENTS

Insert Size: 1404
High quality sequence stops: 323
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL ; contact
the IMAGE Consortium (info@image.llnl.gov) for further
information.

LIBRARY

Lib Name: Soares fetal liver spleen 1NFLS
Organism: Homo sapiens
Sex: male
Organ: Liver and Spleen
Develop. stage: 20 week-post conception fetus
Lab host: DH10B (ampicillin resistant)
Vector: pT7T3D (Pharmacia) with a modified polylinker
R. Site 1: Pac I

R. Site 2: Eco RI
Description: 1st strand cDNA was primed with a Pac I - oligo(dT) primer
[5' AACTGGAAGAATTAATTAAAGATCTTTTTTTTTTTTTTTTTT 3'],
double-stranded cDNA was ligated to Eco RI adaptors
(Pharmacia), digested with Pac I and cloned into the Pac I
and Eco RI sites of the modified pT7T3 vector. Library went
through one round of normalization. Library constructed by
Bento Soares and M.Fatima Bonaldo.

SUBMITTER

Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

CITATIONS

Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M.,
Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M.,
, Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F.,
Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P.,
Wilson,R.
Year: 1995
Status: Unpublished

MAP DATA

Revised: July 5, 2002.

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[NCBI](#) | [NLM](#) | [NIH](#)

Dec 19 2002 15:44:50


```

/dev_stage="4 weeks"
/lab_host="DH10B"
/notice="vector: pUT73D-fac (Pharmacia) with a modified
polylinker. Site_1: Not I; Site_2: Eco RI; 3' strand cDNA
was primed with a Not I - oligo(dT) primer [5'
TGTTCACCATCTGAAAGGAGGAGCGCGCTTTTCTTTTCTTTTCTTTT
3']"; double-stranded cDNA was ligated to Eco RI adaptors
(Pharmacia), digested with Not I and cloned into the Not I
and Eco RI sites of the modified pUT73 vector. RNA
provided by Dr. Bernard Jordan. Library went through two
rounds of normalization, and was constructed by Bento
Souares and M. Fatima Bonaldo."

```

BASE COUNT
ORIGIN

Query Match	26.98;	Score 370.8;	DB 9;	Length 498;
Best Local Similarity	87.68;	Pred. No. 1.1e-81;		
Matches 417; Conservative	0;	Mismatches 57;	Indels 2;	Gaps 1

519 CTGTGATAAGCTACCAACTTCAAGCTTTTCACCACCATTTGCCAAGTTATGCAGCCTTAACG 578
||| ||| | ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
1 CTTGGATAAACCTCCACACTCAGCGTTTTGGCCATTATTGCCAAGTTATGCAGCCTCAAGAG 60

0y 579 ACCTGTCCTCATCGACAAGTAGAGCAACAGCAGCAGCTGCTCAGCATTTTGAACCTTCTG 638
 |||||
 Db 61 GCTTGTCTCTATCGACAAGTAGAGCAACAGCAGCAGCTGAGCATTTTGAACCTTCTG 120

Dy 639 TTGAGAGCCTTACGACACTCAGTTTAGCGAGTTGTGCATCATTTGAAGACATATGATGTGAT 6988
+
Db 121 TGCAGAGCCTTACGACACTCAGCCTGGCGAGCTGTGTGATGATTGAAGATTATGATGTGAT 1800

Oy 699 AGCTAGCATGATAGGAGCCCAAGTGTAAAAAACTCCGGACCTGGATCTGTTCGAGATGTAA 758
||| ||||||||||||||||||||| ||| |||||||||||||||||
Db 181 AGCAGCATGATAGGAGCCCAAGTGTAAAAAACCCTCGGACTTTGCATCTGTGAGATGCCAA 240

DQ 759 GAAATATTACGAGAAATGGAAATAGCAGAAGCTGGCTTCTGGGTGCCACTACTCGGAGGAAGCT 818
||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| ||||| |||||
Db 241 GAATATCACCGAGAAATGGAAATAGCAGAGTTGGCTTCTGGCTGTCTTCTTGAGGAAGCT 300

Dy 819 TGACCTTGGCTGGTGCCCAACTCTGCAGAGCACCAGGCCGTCCTCACCACTGGCACA 878
|||
Dd 301 TGAACCTTGGCTGGTGCCCAACTCTGCAGAGCACCAGGCCGTCCTCACCACTGGCAGC 360

Dy 879 CCAGCTCCCAACTGCAAAAAC TCTTCTTACAGCTAATAGATCTGTGTGCACAGA 938
|||
Db 361 CCAGCTCCCAACTGGC - AA ACTCTTTCTTACAGCTAACAGGTCTGTGTGCACACA GA 418

939 CATGTGATGAATTGGCATGTATAATTGTACCAAGGTTACAGCAGCTGGACATATTAGGTA 994
||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
419 CATAGAACAATGCATCTAATTGTACCAAGATTACAGCAACTGGACATATTAGGAA 474

RESULT 11
H58848

| | |
|------------|--|
| DEFINITION | yr36e07.r1 Soares fetal liver spleen INFLS Homo sapiens cDNA |
| ACCESSION | IMAGE:207396 5', mRNA sequence. |
| VERSION | H58848 |
| DATE | DEC 01 1997 |

| | |
|----------|--------------|
| KEYWORDS | EST. |
| SOURCE | human. |
| ORGANISM | Homo sapiens |

REFERENCE
Hammalin; Eutheria; Primates; Catarrhini; Homiidae; Homo.
1 (bases 1 to 419)
Hiller, L., Clark, N., Dubuque, T., Elliston, K., Hawkins, M., Hol-
lingworth, M., Jacobs, T., et al. 1999. The evolution of the
Hominidae: A molecular approach.

Minkin, L., Kohlring, T., Soares, M., Tan, F., Trevasakis, E., Water, R., Williamson, A., Wohldmann, P. and Wilson, R.
Washu-Merck EST Project
Published (1995)

BEST AVAILABLE COPY

4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 266 1800
Fax: 314 266 1810
Email: estewatson.wustl.edu
Insert Size: 1404
High quality sequence stops: 323
Source: IMAGE Consortium, LNL
This clone is available royalty-free through LNL ; contact the
IMAGE Consortium (info@image.lnl.gov) for further information
Insert Length: 1404 Std Error: 0.00
Seq primer: M13Rpi
High quality sequence stop: 323.

FEATURES
SOURCE

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/organism="Homo sapiens"
/db_xref="GDB:376527"
/db_xref="taxon:9606"
/clone="IMAGE:207396"
/clone_lib="Soares fetal liver spleen INFLS"

```

```
/dev_stage="20 week-post conception fetus"  
/lab_host="DH10B (ampicillin resistant)"  
/note="Organ: Liver and Spleen; Vector: pT7T3D (Pharma
```

1st strand cDNA was primed with a Pac I - oligo(dT) primer [5' AACTGAGACATTTAAATTAAACATCTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was ligated to Eco RI adaptors

and Eco RI sites of the modified pT7T3 vector. Librarians went through one round of normalization. Library constructed by Bento Soares and M. Fatima Bonaldo."

| ORIGIN | Query Match | 26.9% | Score 370.6 | DB 14 | Length 419 |
|--------|-------------|-------|-------------|-------|------------|
|--------|-------------|-------|-------------|-------|------------|

| | | | | | | | | | |
|---------|------|---|----|------------|----|--------|----|------|--|
| Matches | 384; | Conservative | 0; | Mismatches | 5; | Indels | 1; | Gaps | |
| Qy | 21 | TCATATACAGATGCTTATGCAGAAAGCATGCTTGTGCAATGCACAGCTTAACA | 80 | | | | | | |

Db 1 TGATATAGAAAGATGATGCCCTATGCAGAAAAGATGGTGTGTGGAAATGCACAGCTTAAACA 60

Qy 81 AAAGTTTAGCAGTGTCTGTCTCGGGGAAGGCCAAATTAATGGGTATTTTGATAACTAC 140

Db 61 AAGTTTACGACAGTCTGTCCTCGNGAGAGGCCAAATATATGGGATTTTGATTAACCTACC 120

Qy 141 TTATGAGCTTATTCAGCTGATTTCTGAATCACTTACACTACCAGACCTGTGTAGATTACG 200

Db 121 TTATGAGCTTATTCAGGCTATTCTGAAATCATCTTACACTACCAAGACCTGTGTAGATTAGC 180

Qy 201 ACAGACTTTGCAAACTACTACGTAGCGCAGCATTTGCTGTGATCCCTGTGCAATATCATTCACCTCAA 260

Db 181 ACAGACCTTGCAACTACTGAGCCAGCACTTGTGTGATCTCCTTGCAATACATCCACCTCAA 240

Oy 261 TCTGCAACCATACTGGGCAAACTAGATGACACTTCTCTGGAATTTCTACAGTCTCGCTG 320

Db 241 TCTGCAACCATACTGGGCAAACTAGATGACACTTCTCTGGAATTTCTACAGTCTCGGTG 300

Dy 321 CACTCTGTGCAGTGGCTTAATTTATCTTGAGCT -GGCAATAGAGGCTTCATCTCTGTG 379

Db 301 CACTCTTCTCCAGTGGCTTAATTATCTTTGGACTGGGCAATAGAGGCTTCTCTGTG 360

Qy 380 CAGGATTTCAGAGGTTTCGAGGTTTGTG 409

DB 361 CAGGATTAGCAGGTTTCGAGAGCTTTTG 390
 PRESENT 12

| | | | | |
|------------|---|------|--------|---------------|
| AL464781 | 467 bp | mRNA | linear | EST 15-MAR-91 |
| LOCUS | | | | |
| DEFINITION | m279a11.y1 Soares mouse NML Mus musculus cDNA clone IMAGE:71961 | | | |

sequence.

=> d his

(FILE 'HOME' ENTERED AT 13:33:12 ON 30 DEC 2002)

FILE 'IMOBILITY, AGRICOLA, AQUASCI, BIOTECHNO, COMPENDEX, COMPUAB, CONF, CONFSCI, ELCOM, EVENTLINE, HEALSAFE, IMSDRUGCONF, LIFESCI, OCEAN, MEDICONF, PASCAL, PAPERCHEM2, POLLUAB, SOLIDSTATE, ADISCTI, ADISINSIGHT, ADISNEWS, BIOSIS, CANCERLIT, CAPLUS, ...' ENTERED AT 13:34:09 ON 30 DEC 2002

| | |
|-----|---------------------------------------|
| | E HARPER JEFFREY?/AU |
| L1 | 12 S E1 OR E2 |
| | E ELLEDGE STEPHEN?/AU |
| L2 | 361 S E1 OR E2 |
| | E WINSTON JEFFERY |
| | E WINSTON JEFFREY |
| | E WINSTON JEFFREY?/AU |
| L3 | 1 S E1 |
| L4 | 0 S L1 AND L2 AND L3 |
| L5 | 5112 S F (A) BOX |
| L6 | 9 S L5 (S) (F2 (A) BETA) |
| L7 | 8 DUP REM L6 (1 DUPLICATE REMOVED) |
| L8 | 27 S L5 AND L2 |
| L9 | 14 DUP REM L8 (13 DUPLICATES REMOVED) |
| L10 | 10 S L5 AND (F2 (A) BETA) |
| L11 | 9 DUP REM L10 (1 DUPLICATE REMOVED) |



Nucleotide

PubMed

Nucleotide

Protein

Genome

Structure

PMC

Taxonomy

OMIM

Bool

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Nucleotide



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□ 1: H58795. yr36e07.s1 Soares...[gi:1011627]

Links

IDENTIFIERS

dbEST Id: 360214
EST name: yr36e07.s1
GenBank Acc: H58795
GenBank gi: 1011627
GDB Id: 3776527

CLONE INFO

Clone Id: IMAGE:207396 (3')
Insert length: 1404
DNA type: cDNA

PRIMERS

Sequencing: Promega -21m13
PolyA Tail: Unknown

SEQUENCE

TTAATAAAAAATAGAGAGCGCAGNANTGNTAAATTCTCACTCTTACAAGTAGACCAAGAAT
TAATGGTTATAGTTTTTTACAGTTCAACTATAAAATTGTTATTGTCCCTCACTATTTTATT
AAAGTACATATATAATTATNCCCTATATTAAGTGATCTATCTTGGCATTTCCTATCAAAC
CAAGGCCATCTTTATCAGGGATAAAATTTTTATTGGTATCCAAAAATTTCTTTTTCCCAA
CAAAAGGTCTGAGGATTGGGCTTTTCNGTCAGGGGAAACNGGGCATTAAAAACCAAAATT
ATATATTGGTAACCTTACCTAATAGGGCCCCGGCNGGCGG

Quality: High quality sequence stops at base: 217

Entry Created: Oct 6 1995

Last Updated: Oct 6 1995

COMMENTS

Insert Size: 1404
High quality sequence stops: 217
Source: IMAGE Consortium, LLNL
This clone is available royalty-free through LLNL ; contact
the IMAGE Consortium (info@image.llnl.gov) for further
information.

LIBRARY

Lib Name: Soares fetal liver spleen 1NFLS
Organism: Homo sapiens
Sex: male
Organ: Liver and Spleen
Develop. stage: 20 week-post conception fetus
Lab host: DH10B (ampicillin resistant)
Vector: pT7T3D (Pharmacia) with a modified polylinker
R. Site 1: Pac I
R. Site 2: Eco RI

Description: 1st strand cDNA was primed with a Pac I - oligo(dT) primer [5' AACTGGAAGAATTAATTAAAGATCTTTTTTTTTTTTTTTTTT 3'], double-stranded cDNA was ligated to Eco RI adaptors (Pharmacia), digested with Pac I and cloned into the Pac I and Eco RI sites of the modified pT7T3 vector. Library went through one round of normalization. Library constructed by Bento Soares and M.Fatima Bonaldo.

SUBMITTER

Name: Wilson RK
Institution: Washington University School of Medicine
Address: 4444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
Tel: 314 286 1800
Fax: 314 286 1810
E-mail: est@watson.wustl.edu

CITATIONS

Title: The WashU-Merck EST Project
Authors: Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marra,M., Parsons,J., Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevaskis,E., Waterston,R., Williamson,A., Wohldmann,P., Wilson,R.
Year: 1995
Status: Unpublished

MAP DATA

Revised: July 5, 2002.

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Dec 19 2002 15:44:50

9.5%; Score 131; DB 14; Length 565;
 Social Similarity 100.0%; Pred. No. 2.1e-60;
 Matches 131; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 862 TTCACCAAGCTGGACACACAGCTCCCAAACTCTTTTACAGTAATAGA 921
 |||||||
 DB 110 TTCACCAAGCTGGACACACAGCTCCCAAACTCTTTTACAGTAATAGA 169
 |||||||

QY 922 TCTGTGTGACACAGACATGTAATGGATGTAATGTCACAGGTTACAGCAGCTG 981
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 DB 170 TCTGTGTGACACAGACATGTAATGGATGTAATGTCACAGGTTACAGCAGCTG 229
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QY 982 GACATATTAGG 992
 |||||||
 DB 230 GACATATTAGG 240

RESULT 17
 BE836392 307 bp mRNA linear EST 22-SEP-2000
 LOCUS BE836392
 DEFINITION PM1-FN0059-060600-001-g02 FN0059 Homo sapiens CDNA, mRNA sequence.
 VERSION BE836392
 KEYWORDS EST.
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.
 1 (bases 1 to 307)
 Dias Neto,E., Garcia Correa,R., Verjovski-Almeida,S., Briones,M.R.,
 Nagai,M.A., da Silva,M. Jr., Zago,M.A., Bordin,S., Costa,F.F.,
 Goldman,G.H., Carvalho,A.F., Matsukuma,A., Bala,G.S., Simpson,D.H.,
 Brunstein,A., deOliveira,P.S., Bucher,P., Jongeneel,C.V., O'Hare,
 M.J., Soares,F., Brentani,R.R., Reis,L.F., de Souza,S.J. and
 Simpson,A.J.
 Shotgun sequencing of the human transcriptome with ORF expressed
 sequence tags
 Proc. Natl. Acad. Sci. U.S.A. 97 (7), 3491-3496 (2000)

JOURNAL
 MEDLINE
 COMMENT
 Contact: Simpson A.J.G.
 Laboratory of Cancer Genetics
 Ludwig Institute for Cancer Research
 Rua Prof. Antonio Prudente 109, 4 andar, 01509-010, Sao Paulo-SP,
 Brazil
 Tel: +55-11-2704932
 Fax: +55-11-2707001
 Email: asimpson@ludwig.org.br
 This sequence was derived from the FAPESP/LICR Human Cancer Genome
 project. This entry can be seen in the following URL
 (http://www.ludwig.org.br/scripts/gethtml2.pl?tl=6t2-pm1-FN0059-060
 600-001-g02&ts=2000-06-06&tl=1)
 Seq primer: puc 18 forward
 High quality sequence start: 25
 High quality sequence stop: 307.
 Location/Qualifiers
 1..307
 /organism="Homo sapiens"
 /db_xref="taxon:9606"
 /clone_lib="FN0059"
 /dev_stage="Adult"
 /note="Organ: prostate,normal; Vector: puc18; Site_1: SmaI
 ; Site_2: SmaI; A mini-library was made by cloning
 products derived from ORESTS PCR (U.S. Letters Patent
 Application No. 196,716 - Ludwig Institute for Cancer
 Research) profiles into the puc 18 vector. Reverse
 transcription of tissue mRNA and cDNA amplification were
 performed under low stringency conditions."
 BASE COUNT 87 a 74 c 59 g 86 t 1 others

Query Match 8.6%; Score 119; DB 12; Length 307;
 Best Local Similarity 100.0%; Pred. No. 9.1e-54;

Matches 119; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 128 TTGATAACTACCTATGAGTCTTATTCACGTATTCATCTTACACAGAC 187
 |||||||
 DB 72 TTGATAACTACCTATGAGTCTTATTCACGTATTCATCTTACACAGAC 131
 |||||||

QY 188 TGTGTAGATTACACAGACTTCAAACTAGTACAGCAGATTGCTGTGATCTCTGCA 246
 |||||||
 DB 132 TGTGTAGATTACACAGACTTCAAACTAGTACAGCAGATTGCTGTGATCTCTGCA 190
 |||||||

RESULT 18
 H58795/c 339 bp mRNA linear EST 06-OCT-1995
 LOCUS H58795/c
 DEFINITION YR36e07.s1 Soares fetal liver spleen INFUS Homo sapiens CDNA clone
 IMAGE:207396 3', mRNA sequence.
 VERSION H58795
 KEYWORDS EST.
 SOURCE human.
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominoidea; Homo.
 1 (bases 1 to 339)
 Hillier,L., Clark,N., Dubuque,T., Elliston,K., Hawkins,M., Holman
 ,M., Hultman,M., Kucaba,T., Le,M., Lennon,G., Marks,M., Parsons,J.,
 Rifkin,L., Rohlfing,T., Soares,M., Tan,F., Trevisakis,E., Waterston
 ,R., Williamson,A., Woldmann,P. and Wilson,R.
 The WashU-Merck EST Project
 Unpublished (1995)
 Contact: Wilson RK
 Washington University School of Medicine
 444 Forest Park Parkway, Box 8501, St. Louis, MO 63108
 Tel: 314 286 1800
 Fax: 314 286 1810
 Email: est@wustl.wustl.edu
 Insert Size: 1404
 High quality sequence stops: 217
 Source: IMAGE Consortium, LLNL
 This clone is available royalty-free through LLNL; contact the
 IMAGE Consortium (info@image.llnl.gov) for further information.
 Insert Length: 1404 Std Error: 0.00
 Seq primer: Promega -21ml3
 High quality sequence stop: 217.
 Location/Qualifiers
 1..339
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 /db_xref="GDB:376527"
 /db_xref="taxon:9606"
 /clone_image:207396"
 /clone_lib="Soares fetal liver spleen INFUS"
 /sex="male"
 /dev_stage="20 week-post conception fetus"
 /lab_host="DH10B (ampicillin resistant)"
 /note="Organ: Liver and Spleen; Vector: p773d (Pharmacia)
 with a modified polylinker; Site_1: Pac I; Site_2: Eco RI;
 1st strand cDNA was primed with a Pac I - oligo(dT) primer
 (5' AACGTGAAGATTAATTAAGATCTTTTCTTTTCTTTT 3'),
 double-stranded cDNA was ligated to Eco RI adaptors
 (Pharmacia), digested with Pac I and cloned into the Pac I
 and Eco RI sites of the modified p773 vector. Library
 went through one round of normalization. Library
 constructed by Bento Soares and M.Patima Bonaldo."
 BASE COUNT 109 a 57 c 53 g 113 t 7 others

Query Match 8.0%; Score 111; DB 14; Length 339;
 Best Local Similarity 100.0%; Pred. No. 2.3e-49;
 Matches 111; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1161 ATAATTATATATGACTTTAATAAATAGTGAGACAAATTAATTTAGTTGAAC 1220
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 DB 139 ATAATTATATATGACTTTAATAAATAGTGAGACAAATTAATTTAGTTGAAC 80
 |||||||

QY 1221 TAAAACTATACCATTAATCTTGCTACTGTAGAGTGAATTTA 1271
|||||
Db 79 TAAAAACTATACCATTAATCTTGCTACTGTAGAGTGAATTTA 29

RESULT 19
AL523021/c 855 bp mRNA linear EST 13-FEB-2001
LOCUS AL523021 LTL.NFL003.NBC3 Homo sapiens cDNA clone CSDCC001YC01 3
DEFINITION prime, mRNA sequence.
ACCESSION AL523021
VERSION AL523021.1 GI:12786514
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 855)
AUTHORS Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
TITLE Full-length cDNA libraries and normalization
JOURNAL Unpublished (2001)
COMMENT Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 Evry cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr.

FEATURES
source
1. 855
/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone_lib="CSDCC001YC01"
/clone_1lb="LTL.NFL003.NBC3"
/sex="male"
/tissue_type="neuroblastoma cells"
/lab_host="DH10B"
/note="Organ: Brain; Vector: PCMVSPORT 6; 1st strand cDNA
was primed with a NotI-oligo(dt) primer. Five prime end
enriched, double-stranded cDNA was digested with Not I and
cloned into the Not I and Eco RV sites of the PCMVSPORT 6
vector. Library was normalized. Library was constructed
by Life Technologies. Contact : Feng Liang Life
Technologies, a division of Invitrogen 9800 Medical Center
Drive Rockville, Maryland 20850, USA Fax : (1) 301 610
8371 Email : fliang@lifestech.com URL :
http://fulllength.invitrogen.com"

BASE COUNT 300 a 162 c 107 g 281 t 5 others
ORIGIN

Query Match 7.8%; Score 107; DB 9; Length 855;
Best Local Similarity 99.4%; Pred. No. 3.2e-47;
Matches 157; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

QY 1060 TTTGTTAGGAAAAGAAAATTTTGGATACATATAAATTTTCTGTATAGATGCGTT 1119
|||||
Db 855 TTTGTTAGGAAAAGAAAATTTTGGATACATATAAATTTTCTGTATAGATGCGTT 796

QY 1120 GGTGTGATAGGAAATGCCAGATAGATCACTTAATATAGGATTAATTTATATGTACTTT 1179
|||||
Db 795 GGTGTGATAGGAAATGCCAGATAGATCACTTAATATAGGATTAATTTATATGTACTTT 736

QY 1180 AATAAATAGTGAGACAATAACAATTTTATAGTTGAA 1217
|||||
Db 725 AATAAATAGTGAGACAATAACAATTTTATAGTTGAA 698

RESULT 20
AL523021/c 855 bp mRNA linear EST 21-APR-2001
LOCUS AL523021 LTL.NFL003.NBC3 Homo sapiens cDNA, mRNA sequence.
DEFINITION prime, mRNA sequence.
ACCESSION AL523021
VERSION AL523021.1 GI:13734755
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 855)
AUTHORS Li, W.B., Gruber, C., Jessee, J. and Polayes, D.
TITLE Full-length cDNA libraries and normalization
JOURNAL Unpublished (2001)
COMMENT Contact: Genoscope
Genoscope - Centre National de Sequencage
BP 191 91006 Evry cedex - France
Email: seqref@genoscope.cns.fr, Web : www.genoscope.cns.fr.

ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 224)
AUTHORS Harrington, J.J., Sherf, B., Rundlett, S., Jackson, P.D., Perry, R.,
Cain, S., Leventhal, C., Thornton, M., Ramchandran, R., Whittington, J.,
Lerner, L., Costanzo, D., McElligott, K., Booser, S., Mays, R., Smith,
E., Veloso, N., Kilka, A., Hess, J., Cothren, K., Lo, K., Offenbacher,
J., Danzig, J. and Ducar, M.
TITLE Creation of genome-wide protein expression libraries using random
activation of gene expression
JOURNAL Nat. Biotechnol. 19 (5), 440-445 (2001)
MEDLINE 21227151
COMMENT Contact: Scott J. Cain
Athersys, Inc.
3201 Carnegie Ave, Cleveland, OH 44115, USA
Tel: 216 431 9900
Fax: 216 361 9596
Email: scain@athersys.com
High quality sequence stop: 174.
Location/Qualifiers
1. 224
/organism="Homo sapiens"
/db_xref="taxon:9606"
/clone_lib="Athersys RAGE Library"
/cell_line="HT1080"
/note="See 'Creation of Genome-wide Protein Expression
Libraries using Random Activation of Gene Expression',
Nature Biotechnology, in press. Note that even though the
cell type indicated is HT1080, since a random activation
method was used, these sequence tags are not necessarily
expressed in HT1080 under normal circumstances."

BASE COUNT 59 a 54 c 38 g 70 t 3 others
ORIGIN

Query Match 7.3%; Score 101; DB 12; Length 224;
Best Local Similarity 100.0%; Pred. No. 7.7e-44;
Matches 101; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 469 GAAGTATTTCTGAGATGTCGCAAACTACAGCGCTTAATCTCTCCTGTGATAG 528
|||||
Db 91 GAAGTATTTCTGAGATGTCGCAAACTACAGCGCTTAATCTCTCCTGTGATAG 150

QY 529 CTACACCTCAAGCTTCAACACATGCGCAAGTTATGACAG 569
|||||
Db 151 CTACACCTCAAGCTTCAACACATGCGCAAGTTATGACAG 191

RESULT 21
BF110118/c 694 bp mRNA linear EST 20-OCT-2000
LOCUS BF110118 7034c07.x1 NCI-CGAP.Lu24 Homo sapiens cDNA clone IMAGE:356580 3'
DEFINITION similar to TR:059519 095919 DJ273N12.1 ;, mRNA sequence.
ACCESSION BF110118
VERSION BF110118.1 GI:10939808
KEYWORDS EST.
SOURCE human.
ORGANISM Homo sapiens
Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Homnidae; Homo.
REFERENCE 1 (bases 1 to 694)
AUTHORS NCI-CGAP http://www.ncbi.nlm.nih.gov/ncicgap.
TITLE National Cancer Institute, Cancer Genome Anatomy Project (CGAP),
Tumor Gene Index
JOURNAL Unpublished (1997)
COMMENT Contact: Robert Strausberg, Ph.D.
Email: cgaps-rt@mail.nih.gov
Tissue Procurement: Christopher Moskaluk, M.D., Ph.D., Michael R.
Emmert-Buck, M.D., Ph.D.
CDNA Library Preparation: M. Bento Soares, Ph.D.
CDNA Library Arrayed by: Greg Lennon, Ph.D.
DNA Sequencing by: Washington University Genome Sequencing Center
Clone distribution: NCI-CGAP clone distribution information can be

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